

ABSTRACT OF THE DISCLOSURE

A structure and a method for an extended bus and a bridge in the extended bus are disclosed. The structure of the extended bus has a first accelerated graphics port bus, a first bridge, a second accelerated graphics port bus and a first extended bus. The first 5 bridge performs a compatible mutual conversion of the signal and data between the first accelerated graphics port bus and the first extended bus or the second accelerated graphics port bus, so that the first accelerated graphics port bus is extended for use. The invention extends and expands the current available high-speed and wide-bandwidth accelerated graphics port bus to obtain one or more extended buses. The data 10 path through the south bridge chip is thus avoided. Furthermore, more expansion slots are provided to the system, and the flexibility of expanding the computer system is increased.